

FJB Series Ex d Enclosures Zone 1 & 21

Protection:
Ex d IIB + H2, IP66/67 T5/6
Ex tb IIIC IP66/67 T80/95

Ambient Temperature: -20°C to +40°C, +60°C

Conformity: IEC 60079 - 0 IEC60079-1, IEC60079-1
Certification number: IECEx TSA 08.0036



OVERVIEW

The FJB Series Ex d cast aluminium alloy enclosure is suitable for use in hazardous areas with the most demanding conditions. Rated IP66 and IP67 (for temporary submersion) these enclosures are suitable for Zone 1 and Zone 21 applications where flammable liquids, gases & vapours or combustible dusts are frequently present.

APPLICATION

The FJB Series enclosure is designed to house terminals, control and electrical equipment, cable terminations in areas classified hazardous by the presence of flammable liquids, gases and vapours or combustible dusts.

The FJB Series can be configured for special, custom built applications such as motor starters, circuit breaker, and local control stations. Please contact B&R Ex Systems for your custom needs.

MATERIAL

Body: Marine grade, copper-free aluminium alloy with protective coating

Gasket: Silicone

Fixings: 316 stainless steel

FEATURES

- Hinged lid
- Optional glass windows are provided on the cover
- Option for stainless steel control operators
- Solid silicone seal in the flanged joint
- Certified for use in 11B Plus Hydrogen and conductive dust applications
- Entries, terminals and operators arranged to suit customer specifications
- Laser etched engraving

TECHNICAL INFO



	Dimensions (mm)							Max Electrical Ratings		
	External Height	External Width	External Depth	Internal Volume Empty (Ltrs)	Internal Gear Tray Height	Internal Gear Tray Width	Internal Depth available for equipment	Amps	Volts	kVA
FJB-210	280	195	115	1.6	210	105	63	57	630	63
FJB-211	310	230	220	5.0	230	130	140	125	1000	215
FJB-322	370	310	280	14.0	285	200	200	215	1000	370
FJB-432	435	360	230	21.5	340	240	150	250	1000	430
FJB-433	435	360	300	15.0	340	240	220	215	1000	370
FJB-543	570	415	300	35.0	470	290	220	415	4000	2800
FJB-643	650	460	360	56.0	550	350	260	550	4000	3800
FJB-754	780	600	440	95.0	650	410	310	630	4000	4360

DISCLAIMER: For information only. Refer to certificate of conformity or contact our technical department for detailed product information.

OPERATORS

Certified Operators

Certificate No. **IECEX TSA 08.0037U**
Ex d IIC Gb
Ex tb IIIC Db IP66/67

CSS1502	2-p 20A 240V 2.5kW AC23 isolator switch
CSS1504	4-p 20A 415V 7.5kW AC23 isolator switch
CSS1506	2-p 25A 240V 3.67kW AC23 isolator switch
CSS1507	4-p 25A 415V 11kW AC23 isolator switch
CSS1508	2-p 32A 240V 5kW AC23 isolator switch
CSS1509	4-p 32A 415V 15kW AC23 isolator switch
CSS2001	Emergency Stop (latch, twist to reset)
CSS2002	Pushbutton Station (Black pushbutton)
CSS2003	Pushbutton Station (Green pushbutton)
CSS2004	Pushbutton Station (Red pushbutton)
CSS2005	Pushbutton Station (Blue pushbutton)
CSS2006	Pushbutton Station (Yellow pushbutton)
CSS2007	Pushbutton Station (White pushbutton)
CSS2008	Key switch, OFF-ON or 1-2, NO/NC changeover
CSS2009	Selector switch, 1-2 or Auto-Man, NO/NC changeover
CSS2010	Selector switch, 1-0-2 or Auto-OFF-Man, changeover
CSS3001	240 Pilot light, clear, 240V (other voltage on request)